

## ABSTRACT OF THE DISCLOSURE

5 An apparatus and method for analyzing a sample of biologic fluid quiescently residing within a chamber is provided. The apparatus includes a light source, a positioner, a mechanism for determining the volume of a sample field, and an image dissector. The light source is operable to illuminate a sample field of known, or ascertainable, area. The positioner is operable to selectively change the position of any or any or all of the chamber, the light source, or the image dissector, thereby enabling selective illumination of all regions of the sample. The mechanism for determining the volume of a sample field can determine the volume of a sample field illuminated by the light source. The image dissector is operable to convert an image of light passing through or emanating from the sample field into an electronic data format.